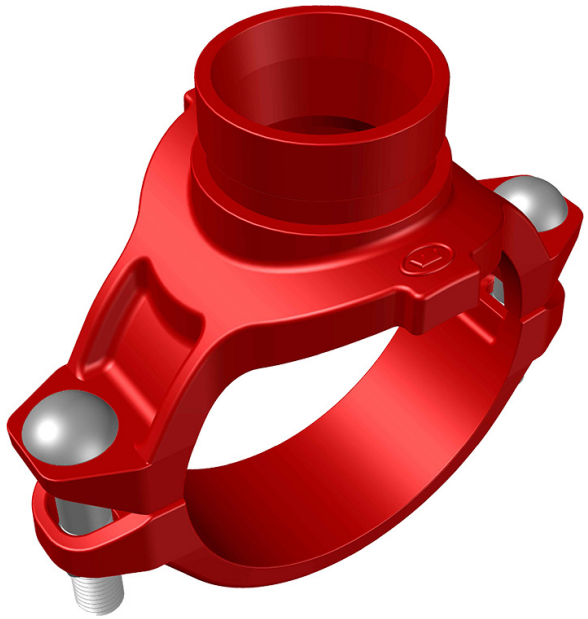
Grooved Products | Gasketed Fittings | Mechanical Tee - Grooved | VK-MTG & VK-MTG2



VK-MTG shown

SPECIFICATIONS	
Sizes (Nominal)	2" x 1" to 8" x 4" DN50 x DN25 to DN200 x DN100
Approvals*	UL FM APPROVED
Working pressure	16 bar (232 psi) to 20.7 bar (300 psi) (depending on size and approval)
Ambient temperature	-34 °C to 110 °C (-29.2 °F to 230 °F)
Material	**Coupling:** Ductile cast iron, ASTM A536 Grade 65-45-12 **Gasket:** EPDM **Bolts and nuts:** Quenched and tempered steel, ASTM A449
Finish	• Painted red** • Galvanised
Application	Water based fire-suppression systems
Installation	Refer to "Installation Manual"
Maintenance	Visual check

* Refer to table below for full approval listings
** Red epoxy available on request

Part numbers & technical data | VK-MTG & VK-MTG2

Nominal size		Pipe OD (mm)	Model	Part number		Approvals		Max. working pressure* (psi / bar)	
Inch	DN			Painted red	Galvanised	UL	FM	UL	FM
2 x 1	50 x 25	60.3 x 33.7	VK-MTG2	VK-MTG2-060034P	VK-MTG2-060034G	▪	▪	300 / 20.7[1]	300 / 20.7
2 x 1-1/4	50 x 32	60.3 x 42.4	VK-MTG	VK-MTG-060042P	VK-MTG-060042G	▪	▪	300 / 20.7	300 / 20.7
2 x 1-1/2	50 x 40	60.3 x 48.3	VK-MTG	VK-MTG-060048P	VK-MTG-060048G	▪	▪	300 / 20.7	300 / 20.7
2-1/2 x 1	65 x 25	73.0 x 33.7	VK-MTG2	VK-MTG2-073034P	VK-MTG2-073034G	▪	-	300 / 20.7	-
2-1/2 x 1-1/4	65 x 32	73.0 x 42.4	VK-MTG	VK-MTG-073042P	VK-MTG-073042G	▪	▪	300 / 20.7	300 / 20.7
2-1/2 x 1-1/2	65 x 40	73.0 x 48.3	VK-MTG	VK-MTG-073048P	VK-MTG-073048G	▪	▪	300 / 20.7	300 / 20.7
3OD x 1	65 x 25	76.1 x 33.7	VK-MTG2	VK-MTG2-076034P	VK-MTG2-076034G	▪	▪	300 / 20.7[1]	300 / 20.7
3OD x 1-1/4	65 x 32	76.1 x 42.4	VK-MTG2	VK-MTG2-076042P	VK-MTG2-076042G	▪	▪	300 / 20.7[1]	300 / 20.7
3OD x 1-1/2	65 x 40	76.1 x 48.3	VK-MTG2	VK-MTG2-076048P	VK-MTG2-076048G	▪	▪	300 / 20.7[1]	300 / 20.7
3 x 1	80 x 25	88.9 x 33.7	VK-MTG2	VK-MTG2-089034P	VK-MTG2-089034G	▪	▪	300 / 20.7[1]	300 / 20.7
3 x 1-1/4	80 x 32	88.9 x 42.4	VK-MTG	VK-MTG-089042P	VK-MTG-089042G	▪	▪	300 / 20.7	300 / 20.7
3 x 1-1/2	80 x 40	88.9 x 48.3	VK-MTG	VK-MTG-089048P	VK-MTG-089048G	▪	▪	300 / 20.7	300 / 20.7
3 x 2	80 x 50	88.9 x 60.3	VK-MTG	VK-MTG-089060P	VK-MTG-089060G	▪	▪	300 / 20.7	300 / 20.7
4 x 1	100 x 25	114.3 x 33.7	VK-MTG2	VK-MTG2-114034P	VK-MTG2-114034G	▪	▪	300 / 20.7[1]	300 / 20.7
4 x 1-1/4	100 x 32	114.3 x 42.4	VK-MTG	VK-MTG-114042P	VK-MTG-114042G	▪	▪	300 / 20.7	300 / 20.7
4 x 1-1/2	100 x 40	114.3 x 48.3	VK-MTG	VK-MTG-114048P	VK-MTG-114048G	▪	▪	300 / 20.7	300 / 20.7
4 x 2	100 x 50	114.3 x 60.3	VK-MTG	VK-MTG-114060P	VK-MTG-114060G	▪	▪	300 / 20.7	300 / 20.7
4 x 2-1/2	100 x 65	114.3 x 73.0	VK-MTG	VK-MTG-114073P	VK-MTG-114073G	▪	▪	300 / 20.7	300 / 20.7
4 x 3OD	100 x 65	114.3 x 76.1	VK-MTG2	VK-MTG2-114076P	VK-MTG2-114076G	▪	▪	300 / 20.7	232 / 16.0
4 x 3	100 x 80	114.3 x 88.9	VK-MTG2	VK-MTG2-114089P	VK-MTG2-114089G	▪	-	300 / 20.7	-

* Maximum working pressure for Schedule 40 pipe unless otherwise stated
[1] GB/T3091-2001

Table continued on next page

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Grooved Products | Gasketed Fittings | Mechanical Tee - Grooved | VK-MTG & VK-MTG2

Part numbers & technical data | VK-MTG & VK-MTG2 (*continued*)

Nominal size		Pipe OD (mm)	Model	Part number		Approvals		Max. working pressure* (psi / bar)	
Inch	DN			Painted red	Galvanized	UL	FM	UL	FM
5-1/2OD x 1	125 x 25	139.7 x 33.7	VK-MTG2	VK-MTG2-139034P	VK-MTG2-139034G	▪	▪	300 / 20.7[1]	300 / 20.7
5-1/2OD x 1-1/4	125 x 32	139.7 x 42.4	VK-MTG2	VK-MTG2-139042P	VK-MTG2-139042G	▪	▪	300 / 20.7[1]	300 / 20.7
5-1/2OD x 1-1/2	125 x 40	139.7 x 48.3	VK-MTG2	VK-MTG2-139048P	VK-MTG2-139048G	▪	▪	300 / 20.7[1]	300 / 20.7
5-1/2OD x 2	125 x 50	139.7 x 60.3	VK-MTG2	VK-MTG2-139060P	VK-MTG2-139060G	▪	▪	300 / 20.7[1]	300 / 20.7
5-1/2OD x 3OD	125 x 65	139.7 x 76.1	VK-MTG2	VK-MTG2-139076P	VK-MTG2-139076G	▪	▪	300 / 20.7[1]	300 / 20.7
5-1/2OD x 3	125 x 80	139.7 x 88.9	VK-MTG2	VK-MTG2-139089P	VK-MTG2-139089G	▪	▪	300 / 20.7[2]	232 / 16.0
5 x 1-1/2	125 x 40	141.3 x 48.3	VK-MTG	VK-MTG-141048P	VK-MTG-141048G	▪	▪	300 / 20.7	300 / 20.7
5 x 2	125 x 50	141.3 x 60.3	VK-MTG	VK-MTG-141060P	VK-MTG-141060G	▪	▪	300 / 20.7	300 / 20.7
5 x 2-1/2	125 x 65	141.3 x 73.0	VK-MTG	VK-MTG-141073P	VK-MTG-141073G	▪	▪	300 / 20.7	300 / 20.7
6-1/2OD x 1	150 x 25	165.1 x 33.7	VK-MTG2	VK-MTG2-165034P	VK-MTG2-165034G	▪	▪	300 / 20.7[1]	300 / 20.7
6-1/2OD x 1-1/4	150 x 32	165.1 x 42.4	VK-MTG2	VK-MTG2-165042P	VK-MTG2-165042G	▪	▪	300 / 20.7[1]	300 / 20.7
6-1/2OD x 1-1/2	150 x 40	165.1 x 48.3	VK-MTG2	VK-MTG2-165048P	VK-MTG2-165048G	▪	▪	300 / 20.7[1]	300 / 20.7
6-1/2OD x 2	150 x 50	165.1 x 60.3	VK-MTG2	VK-MTG2-165060P	VK-MTG2-165060G	▪	▪	300 / 20.7[1]	300 / 20.7
6-1/2OD x 3OD	150 x 65	165.1 x 76.1	VK-MTG2	VK-MTG2-165076P	VK-MTG2-165076G	▪	▪	300 / 20.7[1]	300 / 20.7
6-1/2OD x 3	150 x 80	165.1 x 88.9	VK-MTG2	VK-MTG2-165089P	VK-MTG2-165089G	▪	▪	300 / 20.7[1]	300 / 20.7
6-1/2OD x 4	150 x 100	165.1 x 114.3	VK-MTG2	VK-MTG2-165114P	VK-MTG2-165114G	▪	▪	300 / 20.7[2]	232 / 16.0
6 x 1	150 x 25	168.3 x 33.7	VK-MTG2	VK-MTG2-168034P	VK-MTG2-168034G	▪	▪	300 / 20.7[1]	300 / 20.7
6 x 1-1/4	150 x 32	168.3 x 42.4	VK-MTG	VK-MTG-168042P	VK-MTG-168042G	▪	▪	300 / 20.7	300 / 20.7
6 x 1-1/2	150 x 40	168.3 x 48.3	VK-MTG	VK-MTG-168048P	VK-MTG-168048G	▪	▪	300 / 20.7	300 / 20.7
6 x 2	150 x 50	168.3 x 60.3	VK-MTG	VK-MTG-168060P	VK-MTG-168060G	▪	▪	300 / 20.7	300 / 20.7
6 x 2-1/2	150 x 65	168.3 x 73.0	VK-MTG	VK-MTG-168073P	VK-MTG-168073G	▪	▪	300 / 20.7	300 / 20.7
6 x 3OD	150 x 65	168.3 x 76.1	VK-MTG2	VK-MTG2-168076P	VK-MTG2-168076G	▪	▪	300 / 20.7[1]	300 / 20.7
6 x 3	150 x 80	168.3 x 88.9	VK-MTG2	VK-MTG2-168089P	VK-MTG2-168089G	▪	▪	300 / 20.7[1]	300 / 20.7
8 x 1	200 x 25	219.1 x 33.7	VK-MTG2	VK-MTG2-219034P	VK-MTG2-219034G	▪	▪	300 / 20.7[3]	300 / 20.7
8 x 1-1/4	200 x 32	219.1 x 42.4	VK-MTG2	VK-MTG2-219042P	VK-MTG2-219042G	▪	▪	300 / 20.7[3]	300 / 20.7
8 x 1-1/2	200 x 40	219.1 x 48.3	VK-MTG2	VK-MTG2-219048P	VK-MTG2-219048G	▪	▪	300 / 20.7[3]	300 / 20.7
8 x 2	200 x 50	219.1 x 60.3	VK-MTG2	VK-MTG2-219060P	VK-MTG2-219060G	▪	▪	300 / 20.7	300 / 20.7
8 x 2-1/2	200 x 65	219.1 x 73.0	VK-MTG	VK-MTG-219073P	VK-MTG-219073G	▪	▪	300 / 20.7	300 / 20.7
8 x 3OD	200 x 65	219.1 x 76.1	VK-MTG2	VK-MTG2-219076P	VK-MTG2-219076G	▪	▪	300 / 20.7[3]	300 / 20.7
8 x 3	200 x 80	219.1 x 88.9	VK-MTG2	VK-MTG2-219089P	VK-MTG2-219089G	▪	▪	300 / 20.7	300 / 20.7
8 x 4	200 x 100	219.1 x 114.3	VK-MTG2	VK-MTG2-219114P	VK-MTG2-219114G	▪	▪	300 / 20.7[3]	300 / 20.7

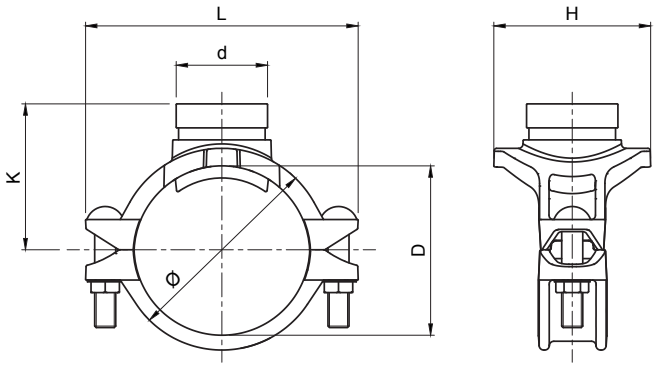
* Maximum working pressure for Schedule 40 pipe unless otherwise stated
[1] GB/T3091-2001
[2] GB/T3091
[3] GB/T3091-2001 with wall thickness min. 6 mm

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Grooved Products | Gasketed Fittings | Mechanical Tee - Grooved | VK-MTG & VK-MTG2

Dimensional drawing



Dimensions | VK-MTG & VK-MTG2

Inch (D x d)	DN (D x d)	Pipe OD (mm)	Model	Ø (mm)	L (mm)	K (mm)	H (mm)	Bolts-Nuts	Hole size +1/-0 mm (mm)	Weight (kg)
2 x 1	50 x 25	60.3 x 33.7	VK-MTG2	75	116	57	72	M10 x 55	38	0.8
2 x 1-1/4	50 x 32	60.3 x 42.4	VK-MTG	75	116	65	72	M10 x 55	45	0.8
2 x 1-1/2	50 x 40	60.3 x 48.3	VK-MTG	75	116	65	72	M10 x 55	45	0.8
2-1/2 x 1	65 x 25	73.0 x 33.7	VK-MTG2	93	144	70	77	M12 x 60	38	1.0
2-1/2 x 1-1/4	65 x 32	73.0 x 42.4	VK-MTG	93	136	65	84	M12 x 60	51	0.7
2-1/2 x 1-1/2	65 x 40	73.0 x 48.3	VK-MTG	93	136	65	84	M12 x 60	51	1.1
3OD x 1	65 x 25	76.1 x 33.7	VK-MTG2	102	144	70	77	M12 x 60	38	1.0
3OD x 1-1/4	65 x 32	76.1 x 42.4	VK-MTG2	102	144	70	83	M12 x 60	51	1.1
3OD x 1-1/2	65 x 40	76.1 x 48.3	VK-MTG2	102	144	70	83	M12 x 60	51	1.1
3 x 1	80 x 25	88.9 x 33.7	VK-MTG2	104	152	76	78	M12 x 65	38	1.2
3 x 1-1/4	80 x 32	88.9 x 42.4	VK-MTG	104	152	83	84	M12 x 65	51	1.1
3 x 1-1/2	80 x 40	88.9 x 48.3	VK-MTG	104	152	83	84	M12 x 65	51	1.3
3 x 2	80 x 50	88.9 x 60.3	VK-MTG	104	152	78	102	M12 x 65	64	1.5
4 x 1	100 x 25	114.3 x 33.7	VK-MTG2	140	188	93	77	M12 x 65	38	1.5
4 x 1-1/4	100 x 32	114.3 x 42.4	VK-MTG	140	180	98	84	M12 x 65	51	1.6
4 x 1-1/2	100 x 40	114.3 x 48.3	VK-MTG	140	180	98	84	M12 x 65	51	1.4
4 x 2	100 x 50	114.3 x 60.3	VK-MTG	140	180	98	103	M12 x 65	64	1.5
4 x 2-1/2	100 x 65	114.3 x 73.0	VK-MTG	140	180	98	103	M12 x 65	70	2.1
4 x 3OD	100 x 65	114.3 x 76.1	VK-MTG2	140	188	98	123	M12 x 65	81	1.9
4 x 3	100 x 80	114.3 x 88.9	VK-MTG2	140	188	97	125	M12 x 65	86	2.1
5-1/2OD x 1	125 x 25	139.7 x 33.7	VK-MTG2	168	220	107	77	M16 x 75	38	1.9
5-1/2OD x 1-1/4	125 x 32	139.7 x 42.4	VK-MTG2	168	220	107	83	M16 x 75	46	2.0
5-1/2OD x 1-1/2	125 x 40	139.7 x 48.3	VK-MTG2	168	220	107	92	M16 x 75	51	2.0
5-1/2OD x 2	125 x 50	139.7 x 60.3	VK-MTG2	168	220	107	97	M16 x 75	61	2.0
5-1/2OD x 3OD	125 x 65	139.7 x 76.1	VK-MTG2	168	220	107	123	M16 x 75	81	2.7
5-1/2OD x 3	125 x 80	139.7 x 88.9	VK-MTG2	168	220	107	136	M16 x 75	86	2.7
5 x 1-1/2	125 x 40	141.3 x 48.3	VK-MTG	168	220	104	95	M16 x 75	51	2.1
5 x 2	125 x 50	141.3 x 60.3	VK-MTG	168	220	112	100	M16 x 75	64	2.1
5 x 2-1/2	125 x 65	141.3 x 73.0	VK-MTG	168	220	123	108	M16 x 75	70	2.6
6-1/2OD x 1	150 x 25	165.1 x 33.7	VK-MTG2	194	247	123	77	M16 x 85	38	2.3
6-1/2OD x 1-1/4	150 x 32	165.1 x 42.4	VK-MTG2	194	247	123	83	M16 x 85	46	2.4

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Grooved Products | Gasketed Fittings | Mechanical Tee - Grooved | VK-MTG & VK-MTG2

Dimensions | VK-MTG & VK-MTG2 (*continued*)

Inch (D x d)	DN (D x d)	Pipe OD (mm)	Model	Ø (mm)	L (mm)	K (mm)	H (mm)	Bolts-Nuts	Hole size +1/-0 mm (mm)	Weight (kg)
6-1/2OD x 1-1/2	150 x 40	165.1 x 48.3	VK-MTG2	194	247	123	92	M16 x 85	51	2.5
6-1/2OD x 2	150 x 50	165.1 x 60.3	VK-MTG2	194	247	123	97	M16 x 85	64	2.8
6-1/2OD x 3OD	150 x 65	165.1 x 76.1	VK-MTG2	194	247	123	123	M16 x 85	81	2.6
6-1/2OD x 3	150 x 80	165.1 x 88.9	VK-MTG2	194	247	123	136	M16 x 85	86	2.7
6 x 1	150 x 25	168.3 x 33.7	VK-MTG2	198	247	125	77	M16 x 85	38	2.3
6 x 1-1/4	150 x 32	168.3 x 42.4	VK-MTG	198	250	125	82	M16 x 85	51	2.5
6 x 1-1/2	150 x 40	168.3 x 48.3	VK-MTG	198	250	125	92	M16 x 85	51	2.5
6 x 2	150 x 50	168.3 x 60.3	VK-MTG	198	250	125	108	M16 x 85	64	2.8
6 x 2-1/2	150 x 65	168.3 x 73.0	VK-MTG	198	250	125	108	M16 x 85	70	2.4
6 x 3OD	150 x 65	168.3 x 76.1	VK-MTG2	198	250	128	123	M16 x 85	81	2.9
6 x 3	150 x 80	168.3 x 88.9	VK-MTG2	198	250	128	136	M16 x 85	89	3.3
8 x 1	200 x 25	219.1 x 33.7	VK-MTG2	250	310	152	77	M16 x 100	46	3.0
8 x 1-1/4	200 x 32	219.1 x 42.4	VK-MTG2	250	310	152	83	M16 x 100	46	3.1
8 x 1-1/2	200 x 40	219.1 x 48.3	VK-MTG2	250	310	152	92	M16 x 100	51	3.2
8 x 2	200 x 50	219.1 x 60.3	VK-MTG2	250	310	152	97	M16 x 100	61	3.4
8 x 2-1/2	200 x 65	219.1 x 73.0	VK-MTG	250	310	152	116	M16 x 100	70	3.4
8 x 3OD	200 x 65	219.1 x 76.1	VK-MTG2	250	310	152	130	M16 x 100	81	3.6
8 x 3	200 x 80	219.1 x 88.9	VK-MTG2	250	310	146	137	M16 x 100	86	3.8
8 x 4	200 x 100	219.1 x 114.3	VK-MTG2	250	310	146	162	M16 x 100	114	4.1

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